



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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February 6, 2014

IN REPLY PLEASE

REFER TO FILE: T-6

TO: Each Supervisor

FROM: Gail Farber
Director of Public Works

ADVANCE NOTIFICATION – INTENT TO SUBMIT REQUEST TO AWARD A SOLE-SOURCE AGREEMENT FOR AN INTEGRATED TRANSPORTATION MANAGEMENT SYSTEM WITH KIMLEY-HORN AND ASSOCIATES, INC., ENHANCEMENT AND CONTINUED MAINTENANCE

Notification

This is to notify the Board of Public Works' intent to commence contract negotiations with Kimley-Horn and Associates, Inc., for enhancements and continued maintenance of the Kimley-Horn Integrated Transportation System (KITS). KITS is the County's existing traffic control system for the unincorporated areas of the County and participating cities. It is anticipated that the proposed agreement will be for an initial term of 4 years with one 2-year option and a not-to-exceed cost of \$2,700,000. Funds will be provided by the Los Angeles County Metropolitan Transportation Authority grant funds and the County's Proposition C Local Return funds as the required match.

Purpose

On October 19, 2004, Agenda Item 39, the Board approved an agreement with Kimley-Horn in the amount of \$2,072,250 for the procurement and maintenance of KITS. The initial term commenced on November 4, 2004, and continued until November 1, 2012. Supplemental Agreement 1, executed on October 11, 2011, under the Director's delegated authority, provided a no-cost revision to the payment schedule for additional enhancements and reduction in the training task for the system. On October 16, 2012, Agenda Item 19, the Board approved a supplemental agreement to exercise the first optional 2-year term and increase the maximum contract sum by \$155,000 to provide continued maintenance of the system. Public Works is now seeking a new sole-source agreement with Kimley-Horn to provide enhancements and continued maintenance of the system.

The enhancements to the system will provide additional features for operating traffic signals, monitoring and managing traffic conditions, and building upon the benefits achieved by the existing system. They will further improve the staff's ability to remotely diagnose traffic signal malfunctions, resolve traffic problems, and implement solutions in real time, which increases productivity by expediting and reducing the time required to perform maintenance.

In addition, an essential component of the proposed agreement will provide for an interface with the County's Information Exchange Network, allowing for the exchange of arterial traffic data and information between this system and other cities. This information sharing will provide for implementation of arterial traffic management strategies and coordinated traffic signal operations, which will provide for improved travel times on a regional basis.

Justification for Sole-Source Agreement with Kimley-Horn

1. KITS currently involves more than 650 intersections and is operated from Public Works' Traffic Management Center in Alhambra. KITS is a proprietary system, owned by Kimley-Horn, for which the County has been granted a perpetual and nonexclusive license. As a result, Kimley-Horn is the only firm that is able to perform revisions to the system. All other traffic control systems currently on the market are also proprietary and require all enhancements to be completed by the system's owners/licensors. Therefore, if the County pursued a competitive solicitation rather than this sole-source agreement, it would result in a need for another sole-source agreement in the future when the term of that agreement expires or when the system requires enhancements.
2. A key component of KITS is its interface with the County-owned traffic signal controller firmware LACO-4E. This firmware resides at the traffic signal and works in conjunction with KITS to manage the traffic signals. Currently, there is only one other system that can interface with LACO-4E.

If Public Works were to drop the requirement to operate with LACO-4E, it would require a substantial amount of field work and significant additional costs to replace traffic signal controllers and/or firmware. The additional costs are estimated to be in the range of \$5,000,000. If Public Works were to replace the system in lieu of a sole-source agreement, we estimate the cost would be in the range of \$500,000 to \$3,000,000. In addition, all 650 intersections would have to be reconfigured under the new system, which would cost approximately \$650,000. Please refer to the attached spreadsheet for a comparison of estimated costs to replace the system.

3. Further justification is the key enhancement proposed to be included in the new agreement to report real-time traffic signal data. This reporting, called Historical Interval Timing, is unique to KITS and will provide the ability to quickly verify consistency and abnormalities in traffic signal operations and provide tools to generate and analyze performance metrics data. This data can be combined with travel time data from other field devices to provide substantially improved measures of effectiveness evaluation of the County's signal operations.

Public Works keeps current with industry trends in traffic management and control systems and, given the options provided above, believes that an enhanced KITS will not only keep pace with industry developments but will continue to be the best and the most cost-effective solution to meet our needs.

Public Works has been very satisfied with Kimley-Horn's performance and has found them to be very responsive and very good at adhering to schedule.

We are working with County Counsel to negotiate with the vendor and will return to the Board for approval of a new agreement. If you have any questions, please call me or your staff may contact Patrick V. DeChellis, Deputy Director, at (626) 458-4004.

JJW:mrh

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Attach.

cc: Chief Executive Office (Rita Robinson)
Chief Information Office
County Counsel
Executive Office

Attachment

Task	Sole-Source Agreement (Kimley-Horn)	Competitive Solicitation (Drop LACO-4E, Replace System)	Competitive Solicitation (Keep LACO-4E, Replace System)
Initial Term w/ 2-year option (Not-to-exceed Cost)	\$2,700,000	-	-
Estimated cost to replace system	-	\$500,000 to \$3,000,000	\$500,000* to \$3,000,000
Replace hardware; field work	-	\$5,000,000	-
Reconfigure Existing Intersections	-	\$650,000	\$650,000
Total	\$2,700,000	\$6,150,000 to \$8,650,000	\$1,150,000* to \$3,650,000

* The low cost option would be associated with the Transuite System which is owned by TransCore ITS, Inc., who is the vendor for the County's Information Exchange Network project, the other primary system operating from Public Works' Traffic Management Center. This is currently the only other system that can interface with LACO-4E. Should Public Works proceed with this option, it would put us into a situation where we are working exclusively with one vendor for our two primary signal systems. Also, we have researched the Transuite System and believe our current KITS system is superior to it.